ABSTRACT

The present invention relates to a device and a method for determining the quality of surfaces. An illuminating light source radiates light at a predetermined angle onto the measurement surface. An optical detecting device is likewise aligned at a predetermined angle to the measurement surface and a photosensor receives the light reflected from said measurement surface and converts same into an electrical measurement signal. A control and evaluation means comprising a processor and memory means controls the measurement sequence and evaluates the measurement results, which are omitted via an output device. The illuminating light source comprises at least one light-emitting diode. The light emitted by said illuminating means is configured such that its spectral characteristic comprises at least blue, green and red spectral components in the visible range of the spectrum. A filter is provided in the path of radiation between the light source and the photosensor.